

WELCOME !



Impact of Climate Change on the Great Lakes Ecosystem – A NOAA Science Needs Assessment Workshop to Meet Emerging Challenges

July 29-31, 2008



Purpose of Workshop

- to develop a NOAA research strategy that addresses climate change impact on Great Lakes coastal ecosystems as driven by user needs.**

The Workshop will bring together NOAA and other Great Lakes scientists together with stakeholders to:

- 1) Examine the current state of knowledge**
- 2) Identify needs of Great Lakes stakeholders**
- 3) Document key challenges to management, restoration and protection**
- 4) Identify new scientific research efforts and resulting products**

Day 1 Highlights

Morning Science Panel Sessions

- Physical Environment
- Water Quantity
- Watershed Hydrology

Afternoon Science Panel Sessions

- Water Quality and Human Health
- Fish Recruitment and Productivity
- Aquatic Invasive Species

5 PM Keynote Address by Dr. Henry R. Pollack –

Hockey Sticks and Politics: Science in the Arena of National Climate Policy
(Rm. 1800 Chemistry Building)

6 – 8 PM Reception – School of Natural Resources and Environment
Commons

Day 2 Highlights

Morning Presentation By:

Dr. Rosina M. Bierbaum, Dean, University of Michigan
School of Natural Resources and Environment, *Climate Change: From
Science to Solutions*

Morning Stakeholder Panel Sessions

- Recreation and Tourism
- Land Use and Coastal Zone Managers

Afternoon Stakeholder Panel Sessions

- Commercial and Municipal Water Users
- Regional, State, Tribal and Local Policymakers and Managers

Mid- Afternoon Presentations – Dr. Thomas R. Karl, Director, NOAA National Climatic Data Center, *Weather and Climate Extremes in a Changing Climate*
And; *Update on Present Status of a NOAA National Climate Service*

Day 3 Highlights

Morning Breakout Briefing, SNR&E Room 1040

Six Morning Concurrent Breakout Sessions

- Physical Environment
- Water Quantity
- Watershed Hydrology
- Water Quality and Human Health
- Fish Recruitment and Productivity
- Aquatic Invasive Species

Afternoon - Joint Summary Session, SNR&E Room 1040

3 PM - Adjourn

Outcomes

- **Increased stakeholder awareness of existing and future scientific products, services, and expertise** that will enable stakeholders to develop more effective, science-based strategies to meet future challenges in managing, protecting or restoring Great Lakes resources in the face of climate change impacts.
- **Increased awareness in the Great Lakes scientific community of immediate and emerging stakeholder needs** allowing scientists to respond to such needs by fine-tuning existing research activities, or by planning and developing new research efforts
- **Summary report**

Thanks to Our Co-Sponsors !

- NOAA Great Lakes Environmental Research Laboratory
- School of Natural Resources and Environment, University of Michigan, - CILER
- Pennsylvania, Ohio, Wisconsin, Illinois/Indiana, Minnesota and Michigan Sea Grant

